

To: Tulis, Dana[Tulis.Dana@epa.gov]; Breen, Barry[Breen.Barry@epa.gov]
Cc: Irizarry, Gilberto[Irizarry.Gilberto@epa.gov]; Stanton, Larry[Stanton.Larry@epa.gov]; Brooks, Becky[Brooks.Becky@epa.gov]; Natarajan, Nitin[Natarajan.Nitin@epa.gov]
From: Stanislaus, Mathy
Sent: Fri 3/7/2014 5:06:05 PM
Subject: Re: Air Sampling at Freedom Industries

Yes - very much so. To what end?

From: Tulis, Dana
Sent: Friday, March 7, 2014 11:54:20 AM
To: Stanislaus, Mathy; Breen, Barry
Cc: Irizarry, Gilberto; Stanton, Larry; Brooks, Becky; Natarajan, Nitin
Subject: Re: Air Sampling at Freedom Industries

Mathy, that's what I was asking you, I do have some concerns with returning, when we just sent the OSC's home.

Thanks.

From: Stanislaus, Mathy
Sent: Friday, March 07, 2014 9:17:42 AM
To: Tulis, Dana; Breen, Barry
Cc: Irizarry, Gilberto; Stanton, Larry; Brooks, Becky; Natarajan, Nitin
Subject: Re: Air Sampling at Freedom Industries

Have we decided to do the monitoring?

From: Tulis, Dana
Sent: Friday, March 7, 2014 9:15:11 AM
To: Stanislaus, Mathy; Breen, Barry
Cc: Irizarry, Gilberto; Stanton, Larry; Brooks, Becky; Natarajan, Nitin
Subject: Re: Air Sampling at Freedom Industries

Okay, since it could cause community concerns, we will be proactive and prepare a desk statement with the Region, just in case. . And let the Region proceed and inform their management, thanks Mathy.

From: Stanislaus, Mathy
Sent: Friday, March 07, 2014 8:55:29 AM
To: Tulis, Dana; Breen, Barry
Cc: Irizarry, Gilberto; Stanton, Larry; Brooks, Becky; Natarajan, Nitin
Subject: Re: Air Sampling at Freedom Industries

Yes- I understood we didn't have a safe threshold for air.

From: Tulis, Dana
Sent: Friday, March 7, 2014 8:24:28 AM
To: Stanislaus, Mathy; Breen, Barry
Cc: Irizarry, Gilberto; Stanton, Larry; Brooks, Becky

Subject: Fw: Air Sampling at Freedom Industries

Mathy,

Just a heads up, we are a little concerned with this monitoring causing concern in the community, so I asked Tito to follow up, this will happen next week. Are you comfortable? Do you think we need a desk statement, just in case. Thanks.

From: Irizarry, Gilberto

Sent: Thursday, March 06, 2014 6:49:38 PM

To: Tulis, Dana

Cc: Dinan, Janine

Subject: Fw: Air Sampling at Freedom Industries

Dana T.:

See below. Let me know if you want to discuss.

Thanks,

Tito

Sent from my BlackBerry Z10. Please excuse typos.

Gilberto "Tito" Irizarry
Program Ops. and Coordination Div.
US EPA Office of Emergency Management
O: 202-564-7982
C: 202-821-8138

From: Burns, Francis <Burns.Fran@epa.gov>
Sent: Thursday, March 6, 2014 6:46 PM
To: Irizarry, Gilberto
Cc: Dinan, Janine; Matlock, Dennis; Linden, melissa
Subject: Re: Air Sampling at Freedom Industries

Tito:

Our answers follow.

Fran

From: Irizarry, Gilberto
Sent: Thursday, March 06, 2014 5:25 PM
To: Burns, Francis
Cc: Linden, melissa; Matlock, Dennis; Dinan, Janine
Subject: RE: Air Sampling at Freedom Industries

Fran:

Thanks for the writeup ...

A few questions before I can give you an official position of comfort or concern about the plan here

- 1) At the time of the field test, will the personnel be wearing PPE ? No, Level D is the current safety level for the site.
- 2) On the detection limit range identified below of 0.5 to 5 ppb, is that the current detection level for water or is that the current expected detection range level for the draft sampling/analysis method that ERT is developing ? The detection limit range identified below of .5 to 5 ppb is for the draft sampling/analysis method that ERT is developing.
- 3) Can you expand on the matter of the detections in the field blanks ? What was the source of water used for the field blank ? Is this a case where the field blank is collected elsewhere and then brought on-site with the container then opened and exposed to the atmosphere ? The field blanks vials were opened on-site and filled with distilled water at the location where samples were taken. The facility's contractor and EPA START collected field blanks that had detectable levels of MCHM.

Adding Janine here also.

Thanks,

Gilberto "Tito" Irizarry, Director

Program Operations & Coordination Division

Office of Emergency Management

U.S. Environmental Protection Agency

O: 202-564-7982

C: 202-821-8138

From: Burns, Francis

Sent: Thursday, March 06, 2014 3:46 PM

To: Irizarry, Gilberto

Cc: Linden, melissa; Matlock, Dennis

Subject: Air Sampling at Freedom Industries

From: Linden, melissa

Sent: Thursday, March 06, 2014 2:41 PM

To: Burns, Francis

Subject: revised draft

Tito:

As per our phone call, the Region 3 staff working on the Freedom Industries Spill have been discussing the need for an effective sampling and analytical method to determine the concentration of MCHM in air. We have received periodic requests from our counterparts in West Virginia for air sampling assistance and the indoor air has been an issue in the affected schools. In addition, obviously a key component of air sampling is a health based screening level. The site team has been attempting to determine a health based screening level to have a benchmark for any future air sampling. A conclusion for a health based screening level will

require more time and research.

We have, however, made considerable progress with an analytical method through the help of Raj Singhvi. Raj has developed an analytical method, which we sent to the Ft. Meade lab for review. The lab has commented on the proposal and those comments have been addressed in the final analytical method. The current analytical method has a detection limit ranging from 0.5 ppb to 5 ppb dependent upon environmental variables; e.g. wind, temperature, humidity. We have scheduled a field test of the method for next week. Developing the sampling methodology requires the determination of specific flow rates and collection process and a field test is necessary to accomplish this. The field test allows collection of various samples to identify how variable conditions will affect the sampling. The team considered testing the method in a lab but a controlled lab setting would not have the environmental variability of the field test. The analysis of the samples can then determine the detection limits for the various sampling conditions.

In addition, the site OSC reported that the characteristic smell of MCHM is still present at the site and recently field sample blanks were contaminated with MCHM, which are suspected to have been contaminated via the air.

Ex. 5 - Deliberative

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Thanks,

Fran